

20000522.qrp v01_n829.qrl.20000522

Date: Mon, 22 May 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1829

QRP-L Digest 1829

Topics covered in this issue include:

- 1) [70653] Re: Dayton Panoramas and a Close-Up
by Dave Sjolin <sjolin@swbell.net>
- 2) [70654] For Sale
by "George Goodroe" <goodroe@worldnet.att.net>
- 3) [70655] SMK-1 #227 is on the air
by Brian <brian@iquiest.net>
- 4) [70656] PSK-20 QRP PSK31 on the air
by Ken Hopper <khopper@uchicago.edu>
- 5) [70657] Re: SMK-1 Questions, rework, prototyping
by Jeff Furman <jfurman@ocs.net>
- 6) [70658] Enjoyed Dayton.....
by GElam30092@aol.com
- 7) [70659] Dayton & QRP Homebrewer deal
by "George Heron N2APB" <n2apb@erols.com>
- 8) [70660] Last of the Loop reports
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- 9) [70661] SMK-1 #227 LIVES!!
by Brian <brian@iquiest.net>
- 10) [70662] Re: mobile antennas
by w4bws@juno.com
- 11) [70663] FS: Ten-Tec 525 Argosy I
by Dave Redfearn <n4elm@home.com>
- 12) [70664] moving beyond stuff and solder
by john@neknetwork.com
- 13) [70665] Tuthill Pre-Registration
by Bob Hightower <nk7m@extremezone.com>
- 14) [70666] Contest: Milliwatt Triple Crown Final Leg
by "John Burnley" <burnleyia@home.com>
- 15) [70667] Club: QRP Forums at Sioux City Hamfest 6/2/2000 - 6/3/2000
by "John Burnley" <burnleyia@home.com>
- 16) [70668] Re: toroids
by "Leon Heller" <leon_heller@hotmail.com>
- 17) [70669] FS: QRP Rigs FS
by "John L. Sielke" <n4js@pobox.com>
- 18) [70670] FIDM Proceedings
by "John P. Cummins, Sr." <jpcummins@worldnet.att.net>
- 19) [70671] OT: 'war' story (was mobile antennas)

- by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 20) [70672] Re: Joys of a k2
by "Mike Yetsko" <myetsko@insydesw.com>
- 21) [70673] Re: Sunday afternoon & still wondering
by Macstein@aol.com
- 22) [70674] RE: toroids
by "AI2Q Alex" <ai2q@ispchannel.com>
- 23) [70675] Properties and Such
by John Paul Dooley <w6zip@gte.net>
- 24) [70676] FS: Unbuilt NC-20 kit
by Michael Melland <badger@vbe.com>
- 25) [70677] Tuthill Pre-registration
by Bob Hightower <nk7m@extremezone.com>
- 26) [70678] Datyon
by "NA6E" <na6e@qsl.net>
- 27) [70679] FS: SW40+
by Ronald_A_Pfeiffer@res.raytheon.com
- 28) [70680] TEKTRONIX 422
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
- 29) [70681] BLT tuner kit
by Shepherd@aol.com
- 30) [70682] What is FDIM
by "Ron White" <rwhite@netins.net>
- 31) [70683] FAQ: Re: What is FDIM
by "Paul R. Valko" <prvalko@oakland.edu>
- 32) [70684] Ft Tuthill Building Contest
by Jerry Haigwood <w5jh@swlink.net>
- 33) [70685] OT: ULS Licensing
by "Paul Christensen" <paulc@mediaone.net>
- 34) [70686] Re: What is FDIM
by carlos.caro@lmco.com
- 35) [70687] NC20 spoken for..
by "John L. Sielke" <n4js@pobox.com>
- 36) [70688] RE: ULS Licensing
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 37) [70689] FS: Norcal NC-20 unbuilt kit w/ 10K pot!
by "Trung Q. Nguyen" <viethoc@pacbell.net>
- 38) [70690] FDIM Proceedings??
by Allan G Taylor <k7gt@qsl.net>
- 39) [70691] Re: ULS Licensing
by "Paul Christensen" <paulc@mediaone.net>
- 40) [70692] w/r ant a turn in the dark
by hamjoel@juno.com
- 41) [70693] Dayton 1V, 48V contest
by "Steven Weber" <kd1jv@moose.ncia.net>
- 42) [70694] Re: moving beyond stuff and solder
by "Steven Weber" <kd1jv@moose.ncia.net>
- 43) [70695] [Fishing] Re: What is FDIM

by "Paul R. Valko" <prvalko@oakland.edu>
44) [70696] Re: 'war' story (was mobile antennas)
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
45) [70697] FDIM PIX
by "Dieter \ (Diz\) Gentzow W8DIZ" <w8diz@cinci.rr.com>
46) [70698] Re: FDIM Proceedings??
by "Ken Evans" <w4du@bellsouth.net>
47) [70699] Re: FDIM PIX
by "Victor Blackwell" <victor@brecnet.com>
48) [70700] FDIM Proceedings??
by Jim Stafford <w4qo@amsat.org>
49) [70701] Re: Kit & Part Sources
by Jim Stafford <w4qo@amsat.org>
50) [70702] FS: NC20, St. Louis Tuner *prices reduced*
by "David Maliniak" <dmaliniak@vertical.net>
51) [70703] OT: To would-have-been NC20 buyer
by "David Maliniak" <dmaliniak@vertical.net>
52) [70704] Count to ten (QRP-MAS)
by mike.mhe@t-online.de (Michael Haugrund)
53) [70705] A mind is a terrible thing to waste
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
54) [70706] RE: A mind is a terrible thing to waste
by "John Conrad" <frconrad@earthlink.net>
55) [70707] Lost - Saturday Night at Dayton
by "Dennis Payton" <dpayton@fwi.com>
56) [70708] RE: A mind is a terrible thing to waste
by n2go@arrl.net
57) [70709] RE: A mind is a terrible thing to waste
by "Everhart, Joseph @ CSE" <jeverhar@mail.cse.1-3com.com>
58) [70710] Re: A mind is a terrible thing to waste
by igeq100@iupui.edu
59) [70711] FS> K2 (built)
by Dennis Terribile/WR4i <wr4i@mindspring.com>
60) [70712] Re: A mind is a terrible thing to waste
by "George T. Baker" <w5yr@att.net>
61) [70713] RE: A mind is a terrible thing to waste
by Radman <radman@best.com>
62) [70714] Low Audio my SST-40
by Norm Melick <henmel@worldnet.att.net>
63) [70715] Bannana Plugs/5-way, etc.
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
64) [70716] RE: A mind is a terrible thing to waste
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
65) [70717] K2+battery+ATU+indoor wires= Great Fun in Maine
by K1JD@aol.com
66) [70718] Dayton
by "Doug Hendricks" <ki6ds@hotmail.com>
67) [70719] Congrats to Joe Everhart

by "Doug Hendricks" <ki6ds@hotmail.com>
68) [70720] SMiTe: You don't foo with Mother Nature
by Dan Wolfe <n4roa@mounet.com>

Date: Sun, 21 May 2000 18:29:51 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: j.p.osburn@ieee.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70653] Re: Dayton Panoramas and a Close-Up
Message-ID: <3928716F.3F24615F@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"James P. Osburn, P.E." wrote:

>
> Here are some quick and dirty panoramas and a close-up I took at the
> hamfest Saturday.

Jim, thanks for the Dayton photos. If you've been there as many times as I have, all you need is a whiff of body odor in the air, some tired feet, sweaty clothes, and I can almost picture myself there.

You know someone has the "sickness" when you know exactly where you are in the Arena and worse out in the flea market just from a picture or two.

Hope you had fun. Maybe I will make it next year. Thanks again for the memories.

73 de Dave, N0IT

Date: Sun, 21 May 2000 19:48:03 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: <cars@k4ksa.org>, "QRP-L post \ (E-mail\)" <QRP-L@lehigh.edu>
Subject: [70654] For Sale
Message-ID: <000801bfc37f\$0ee7d300\$0d00000a@ggoodroe01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FOR SALE

MFJ 9040 40 meter CW Transceiver
MFJ 412 Curtis Keyer
MFJ 726 CW audio Filter

Like new, all \$145.00 shipped USPS priority insured
or best offer

Thanks and 73 de KF4CPJ
George Goodroe
St. Petersburg, FL USA

Date: Sun, 21 May 2000 19:03:09 +0100
From: Brian <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [70655] SMK-1 #227 is on the air
Message-ID: <392824DD.72D23A37@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Smoke test passed, RX test passed, TX appears to be about 300 mW via
the WM-1 wattmeter I borrowed. I can hear about 50 stations at a time.
Looks like I have about 1K of TX and 4-5K of RX.

Any secrets to increasing the audio? I've been running it into a
powered PC speaker set...but I'm a little hard of hearing...so stock
audio isn't loud enough for me. Too many Skynerd concerts back in the
70's I guess....sitting in the front row of Alice Cooper's "Welcome to
my Nightmare" probably didn't help either.

So anyhow, I will start CQing in a few and see if I can weasel my way
into 7040.

Also, let me see if I have this right....tune the RX to a set spot.
Then key down (into a dummy load of course) and tune the TX until the
side tone goes away. Right? Is that when my TX and RX are both on
the same freq?

72

--

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KB9BVN	NORCAL	2792	FISTS	5695	QRP-L	1540	QRP-ARCI	10223
39.558	N	86.095	W	Johnson Co.,	Indiana			

GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
FISTS Century Club #764 - FISTS QRP Century Club #24
=====

Date: Sun, 21 May 2000 19:16:35 -0500
From: Ken Hopper <khopper@uchicago.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [70656] PSK-20 QRP PSK31 on the air
Message-ID: <39287C63.983B9A69@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am having a ball with the new 2W rig. Check out the pictures and commentary at <http://home.uchicago.edu/~khopper/psk20project.html> and pse visit the QRP and Digital pages too.

dit dit
de Ken N9VV <n9vv@arrl.net>

Date: Sun, 21 May 2000 17:23:37 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: qrp-l@lehigh.edu
Subject: [70657] Re: SMK-1 Questions, rework, prototyping
Message-ID: <Pine.LNX.4.21.0005211629290.10687-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think a Dremel tool is probably overkill to cut the leads of an soic ic in order to remove it by desoldering the severed leads. A typical ic lead is soft, annealed alloy, sometimes just plated copper. I have used just a sharp xacto blade guided against the body to easily shear the leads before desoldering. If a chip postmortem or exchange is necessary, then solder wick properly applied removes most of the solder. The attached lead desoldering can be done different ways-- use the xacto blade and carefully slice through the slight solder gap between the pad and lead; lifting the lead while heating the joint is another method; just twisting or pushing aside the lead where it touches the pad will sometimes open the joint without applying heat. Be aware that the bond between the copper pad and the board may be weakened by excessive heat; if the pad is lifted, but not

severed, it may still be carefully used. Some rather heroic stuff may be done with fine wire to salvage a trace or pad catastrophe. A pad separated from a plated

through hole needs that connection to be restored. Multilayer boards with stripped out plated through holes are not nice to contemplate: you must restore all the connections that the plated through hole made inside the hole. This is done usually with #30 solid insulated wirewrap wire often used to rework prototype boards. Kynar insulation is easy to strip and is cut through resistant, but it is not as heat resistant as teflon insulation, but teflon only strips well with proper tools. Try different stuff to see which you prefer. I prefer to use stout satinless tweezers which do not have very fine points. I think the swiss pattern 'A' is the one. There needs to be enough metal in the points to allow a usable pinching force to be applied, for forming the ends of that #30 wire, for example. The superfine points are only usable for positioning, not bending or applying any great force,

and they will easily deform out of alignment if abused. Certainly, any tool you use often enough becomes an extension of your hand, and the dexterity developed biases your preferences. I use the small radio shack all pad (no pattern) prototype boards by wiring the back with the rework wire. The tweezers and good wire cutters for stripping and cutting makes a satisfactory prototyping system for digital or not-too-high frequency circuits. I detect some rambling here, so I'd better stop(hi, Nils.)

73 Jeff AD6MX (was KD6MNP)

--

Date: Sun, 21 May 2000 20:52:50 EDT
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [70658] Enjoyed Dayton.....
Message-ID: <42.5c4e680.2659dee2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Dayton and the QRP activities was great. I had to leave late last night so I missed some of the activities but it was still great.

I especially enjoyed meeting some of the ... uh... personalities on the list.... Tom Hammond, Nils, etc and meeting others again for the second or third time.

200+ at the banquet on Friday night, lots of excellent prizes and a great job done by the member-volunteers at ARCI.

The grand prize, a K2, was actually given away twice. The first winner, Lerma from Elecraft, declared she didn't want it! I suspect that's a first! It was hilarious.

I'll leave comments and further updates to others. Thanks to everyone!

Cheers,
Gerry Elam
PHX AZ

Date: Sun, 21 May 2000 22:27:56 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [70659] Dayton & QRP Homebrewer deal
Message-ID: <047e01bfc395\$d577b9c0\$bb5daccf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was just great meeting in person so many of the QRPers that we bump into on this list and on the air. What a fabulous time at the technical sessions on Thursday ... major kudos to the speakers for superb presentations and articles in the Proceedings. N2CX, NN1G, K8IQY, W4RNL, G3RJV ... these QRP conventions are just wonderful. Can't wait for the next one to come along!

During the evenings we had many QRPers visit the NJQRP table in the hospitality rooms and many took advantage of the special QRP Homebrewer subscription offer: subscribe then and get a 5th issue tossed in for free.

Well, we still have some of the Winter issues remaining in stock and we'd like to extend the *same* offer to all other QRPers on the mail lists. "Subscribe now and get 5 issues for the price of 4". To start off, you'll get the Winter QHB issue which featured an outstanding article by Chuck Adams, K7Q0, entitled "Manhattan-Style Homebrewing". This piece chronicles the ideal steps one would take in getting started building up circuits using Manhattan-style construction techniques. Chuck even guides the reader through the building of an RF probe and a crystal checker as starter projects. He presents tools, techniques and tips for successful homebrew construction.

You'll then get four more issues of QRP Homebrewer as fulfillment of your annual subscription, spaced out at quarterly intervals. In fact, the very next issue of QHB is due to hit the streets in several weeks. The theme of this issue is "homebrew antennas", covering antennas themselves, feedlines,

getting the signal into the shack, measuring the signal, hiding the antenna in the back yard, and more.

Visit the NJQRP web site for more details on QRP Homebrewer ...
http://www.njqrp.org/data/qrp_homebrewer.html

Or write to us if you have any questions.

72, George N2APB
n2apb@amsat.org
for the NJQRP Club at <http://www.njqrp.org>

Date: Sun, 21 May 2000 22:51:33 -0400
From: john@neknetwork.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70660] Last of the Loop reports
Message-ID: <3928A0B5.D5B28D7E@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,

Thanks for bearing with these loop reports. I keep telling my wife how great the new antenna is, but she just doesn't seem to appreciate it like you guys do. :) I've now got an estimated 290 feet of wire in the air in the shape of a polygon. It's fed by approx 35 feet or so of 450 ohm ladder line. It tunes flat on 160, 80, 40, 20 and 15 with my MFJ tuner and is actually resonant on 10 meters around 28.320 with no tuner at all.

Anyway, so far on 5 screaming watts from my old Icom 701, I've worked DX with: RN3DN, LY2LA, IK2BGD, PA0GW, UA6FX, RK3FX and UX5VK - all on 20 meters and all have given me a 559 or better, with a 579 the highlight. I continue to be amazed at the improved reception with this antenna over my old dipole. As you folks know, the feeling of banging out your call with 5 watts or less to a station in Moscow and actually having them come back is indescribable.

Also, one of the recent highlights was a 2xQRP and 2xLoop2Loop QSO with W8DEP in Ohio. We were both running 5 watts. Dave's loop is 700' or wire (!) up 70 feet (!!).

Well... that's the last of the loop reports from me. I'm glad I built

the loop and recommend anyone considering a loop to go for it. I'm a little biased now, but I think the loop looks better than a dipole too.
:>

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

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Date: Sun, 21 May 2000 22:02:21 +0100

From: Brian <brian@iquest.net>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [70661] SMK-1 #227 LIVES!!

Message-ID: <39284EDD.F315FD04@iquest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well isn't this so very very special. I totally screwed up my enclosure kit, so don't even ask. Went to Dollar General and bought a \$1.00 Sterilite container with three sections. Mounted the "rig" in the middle compartment...that leaves the left compartment for my Norcal Doublet, and the right side for a nice little hackjob homemade key. I have plenty of room to install the BLT when I get it, AND with my used solar panels, I can be on the air in an instant....with 250 - 270 screaming milliwatts of raw radio small hootie pow-ah.

Had my first QSO tonight with Richard in Cincinnati. I figure about 350 miles per watt since he's just over 100 miles away. He gave me a 539 and a 339 from my attic dipole on about 7040. Then he emailed me the WAV files of the QSO's....they're tres kewl!

This a very neat little kit, if you don't have one, get one. Thanks to Jim Cates the miracle man for getting all the parts in the right baggies, and thanks to Jim and Doug and Doug and everyone involved in kitting this litte beaut. I'm having fun.

72 es 'oo' de KB9BVN

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=====

KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57

=====

Date: Fri, 19 May 2000 21:40:37 -0400
From: w4bws@juno.com
To: w7ox@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [70662] Re: mobile antennas
Message-ID: <20000521.231039.-143983.1.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yes I have used the Hustlers mobile for 15 years
but with the high power coils to reduce losses. The
long stinger really makes a big improvement.

OTOH, I have a 20 meter hamstick which I removed
the stinger and found it resonates at 27 mhz. S000,
I put a long stinger on it and operate 30 and 40 meters,
and a short stinger for 17and 15 meters. That way I can
use it on the rear deck of the car with a trunk lip mount,
and just change the stingers to change bands-very handy.

But the best operation was with the bugcatcher mounted
on the ladder on the back of my conversion van so the coil
and stinger were above the roof and the ladder was well
grounded to the van body. I used a spring above the coil,
under the 6 foot stinger, so the traffic lights, bridges and
wires didn't stop me . I have 40+ states on qrp cw and ssb
on 40 mobile, and 72 countries on 20 qrp cw and ssb with
the bugcatcher.

I monitor channel 19 on the road and love to hear the funny
comments from the truckers. I once put a sign in the picture
window on the van that said

" FCC Licensed Monitoring/Listening Station".

Boy was that fun.

Don W4BWS

On Thu, 18 May 2000 23:09:46 -0700 Phil Wheeler <w7ox@earthlink.net>
writes:

> I have a 20 meter custom unit: 15 m resonator with a long stinger
> (abt 50"). Best 20m mobile antenna I've ever used.
> Phil

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Sun, 21 May 2000 23:04:32 -0500
From: Dave Redfearn <n4elm@home.com>
To: ten-tec@contesting.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70663] FS: Ten-Tec 525 Argosy I
Message-ID: <3928B1D0.8252B981@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Ten-Tec 525 Argosy I HF transceiver
80-10 Meters + 30 Meters, 5/50 watts output, CW/SSB
With original SSB filter, no options
With manual and hand mike (non TT)

The radio is in good condition about 8 to 9 with some scratches on the front panel edges and a couple of scratches on the cases. Everything works, The PT0 is tight with no warbles, the speaker audio is clear, no buzzing. No modifications seen.
Serial number is above 1000, includes the factory update to diode ring mixer.

\$275.00

223 Noise Blanker for Argosy I
used, works

\$40.00

220 8 pole 2.4 Khz SSB crystal filter
replaces original 4 pole filter
used, works

\$60.00

217 8 pole 500 Hz CW crystal filter
mounts in accessory filter slot
used, works

\$60.00

225 AC Power supply
13.5 VDC, 9 Amps
with 4 pin power connector for Argosy
Good condition, works
One or two scratches on case

\$50.00

Complete station (all above together)

\$375.00 + shipping from TX

Prefer to sell the station complete but will sell separate accessories
(as above)
after the 525 radio sells. Purchaser of the 525 gets first chance on
accessories with radio.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 22 May 2000 00:30:35 -0400
From: john@neknetwork.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70664] moving beyond stuff and solder
Message-ID: <3928B7EB.D580FF3E@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello QRP'ers;

I'm really in this hobby because I want to build and experiment with my
own gear. Regrettably, I don't have the time to go back to school to

learn about more electronics. However, I really want to do useful work on my own and I want to move beyond buying kits and melting them together. I want to understand, design and build my own gear. I built an SW80 and read the Elmer 101 stuff as I did it - it was very helpful.

I literally don't have any more time to devote to radio than I already do. At most I have an hour or so a day to myself which is either spent operating or building my latest kit or reading. I seem to learn best by doing, rather than reading, so that's why I do the kits. Kit building has helped immensely, in particular the NJ fireball and 1.5w amp were great learning experiences.

I'd like some better test equipment, I think it would help in my learning. At the moment I have a volt meter and RF probe the works with the volt meter (thanks to someone on the list who pointed me in that direction). I feel I could learn better with better test equipment to visualize what's going on in the circuits. I think that's why I took so readily to programming; using a debugger you can step through a program and see what's going on. Right now, electronic circuits are black boxes to me; I can read how they work and sometimes hear the result, but there are few visuals.

So the question is; how to move beyond kit building? What test equipment would I need (without breaking the bank)? What books would you folks recommend?

Thanks for any input,

73,

John, KB1ENS

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John Wagner - john@neknetwork.com

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Date: Sun, 21 May 2000 21:47:00 -0700

From: Bob Hightower <nk7m@extremezone.com>

To: qrp-1@lehigh.edu

Subject: [70665] Tuthill Pre-Registration

Message-ID: <200005220444.VAA02995@enterprise.extremezone.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

There is a form that you access when you want to pre-register for Ft tuthill 2000. This form works well with MSIE, but not so well with Netscape...that is, it doesn't take you anywhere when you submit your registration in Netscape. I (and Jerry) get the info, but you need to use your 'back' button to get back to the Tuthill page.

So...no need to complete the form several times. If you like, send me an e-mail about your registration, and I'll confirm that I got it.

Bob Hightower NK7M
Chandler, AZ
SOC #20

<http://www.extremezone.com/~nk7m>

Date: Sun, 21 May 2000 23:46:05 -0500
From: "John Burnley" <burnleyia@home.com>
To: <qrp-1@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>
Cc: <kj5tf@madisoncounty.net>, <ae4ic@nr.infi.net>, <w5jay@alltel.net>
Subject: [70666] Contest: Milliwatt Triple Crown Final Leg
Message-ID: <00a501bfc3a8\$a386b660\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Milliwatt Triple Crown Third Leg

DATES AND TIMES:

All dates and times are in UTC! Maximum operating time during each day is 4 hours.

1st Day Friday July 14th, 2000 23:00Z to Saturday July 15th, 2000 06:00Z.
2nd Day Saturday July 15th, 2000 23:00Z to Sunday July 16th, 2000 06:00Z.
3rd Day Sunday July 16th, 2000 23:00Z to Monday July 17th, 2000 06:00Z.

Participants may only operate 4 hours of the 7 hour window per day and may submit a log for only 2 days of the 3 day contest.

EXCHANGE: Exchange RST, SPC, First Name, PWR.

Suggest using W as decimal point when reporting power. I.e., 1W5 = 1.5W, W5 = 500mW, W25 = 250mW, W02 = 20mW.

SCORING: QSO points are awarded to contestants according to their power output. Power may be changed from QSO to QSO and must be noted in the log.

1001mW and over	1	Point
501mW to 1000mW	2	Points
251mW to 500mW	4	Points
101mW to 250mW	8	Points
51mW to 100mW	16	Points
26mW to 50mW	32	Points
11mW to 25mW	64	Points
1mW to 10mW	128	Points
<1mW	500	Points

NOTE: No schedules or prearranged contacts between stations are permitted.

BONUS MULTIPLIER: Number of identical first letters of first names worked. I.e., worked Jim, John, Jennie, Joe, Jack, = 5 multiplier. Note: one name only counts once - if you work 10 Jacks, that's still just one multiplier.

CLUB BONUS: Anyone who works a club station which is running the specified power levels listed below collects bonus points as follows: (Clubs will not raise or lower power to accommodate a single QSO.)

900mW	1,000 points
500mW	2,000 points
250mW	3,000 points
100mW	4,000 points
50mW	5,000 points

Calculate score for each days activity:

$(\text{QSO Points}) \times (\text{Total SPC Multipliers all bands}) \times (\text{Bonus Multiplier}) + (\text{Club Bonus total}) = \text{Daily Score}.$
Add the two best daily scores to find Total Score.

PRIZES: TBA

LOGS: Submit logs before September 1st, 2000. Winners will be announced on QRP-L ,KLQRP, and IAQRP-L. Send logs to:

Mark Milburn

117 E. Phillip St
Des Moines, IA 50315-4114

or email logs to:

IowaQRPClub@juno.com

72, John NU0V

Date: Mon, 22 May 2000 00:09:04 -0500
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>
Subject: [70667] Club: QRP Forums at Sioux City Hamfest 6/2/2000 - 6/3/2000
Message-ID: <014301bfc3ab\$d9e12c60\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will be active at the Sioux City Hamboree June 2, 2000 through June 3, 2000. Here are the QRP Forums lined up for the Hamboree.

Friday June 2, 2000 (PM)

2:15 P.M. QRP DX and related strategies
Adrian Weiss, W0RSP

3:15 P.M. Miscellaneous Antenna Hints and Kinks
James 'Dr. Megacycle' Duffey, KK6MC/5

Saturday June 3, 2000 (AM)

9:00 A.M. Building, Manhattan Style
Mike Fitzgibbon, N0MF

11:00 A.M. Baluns for QRP Operations
James R. Duffey, KK6MC/5

Saturday June 3, 2000 (PM)

2:15 P.M. QRP DX and related strategies
Adrian Weiss, W0RSP

3:30 P.M. Q & A session, what information do you want/need for successful QRP operating?

Friday evening, we will have a kit building session for QRP & other interested ops, with expert, experienced builders to help and give tips for success. We will have a limited supply of VE3DNL Marker Generator Kits from the Ft. Smith QRP Club available for purchase to build during the event. Much thanks to Jay Bromley W5JAY for helping us with the kits. The time will be announced later but will probably be around 7 - 7:30 pm.

The Club will have QRP display tables both Friday (depending on what time I can sneak up there) and Saturday with vendor information (have you sent yours yet?) and QRP Club information. We currently have info for Small Wonder Labs, Kanga US, Ten Tec, and MFJ. If you would like your information to be a part of our display then email me ASAP. We will also have sample newsletters from the St. Louis QRP Society, QRP ARCI, G-QRP, NorCal, CW Operators Club (Australia), the Japan QRP Club, and (of course) the Iowa QRP Club. If you would like to send us a sample of your clubs newsletter we would be happy to add it to our display.

The Club will be giving away a Tick Surface Mount Keyer Kit donated by Embedded Research (much thanks to Gary Diana N2JGU!). Be sure and stop by our table and register for the drawing!

There will also be a QRP luncheon Saturday noon (dutch treat). Time and place to be announced.

This is going to be a great time and I hope to see you in Sioux City! A big thanks to Jerry Huldeen (WB0T) who has coordinated all the QRP events and spent many hours putting together a very class program!

72, John NU0V

Date: Mon, 22 May 2000 01:00:51 PDT
From: "Leon Heller" <leon_heller@hotmail.com>
To: rattray@gpfn.sk.ca, qrp-1@Lehigh.EDU
Subject: [70668] Re: toroids
Message-ID: <20000522080051.83392.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I was looking at 2/3 of the toroids I wound and
>they certainly were not evenly spaced.....somewhere in the depths of my
>memory I think they should be as evenly spaced as possible so I did
>that...BUT I can't recall why.....is this critical?....what would be the
>effect if the toroids were not evenly spaced?....

The tightly spaced portions would presumably have a high self-capacitance between the turns. This might mean that the resonating capacitors would be slightly off. It also looks untidy. 8-)

73, Leon

--

Leon Heller, G1HSM

Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221

InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.

Email:leon_heller@hotmail.com

Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 22 May 2000 07:54:12 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: qrp-l@lehigh.edu
Subject: [70669] FS: QRP Rigs FS
Message-ID: <XFMail.000522075412.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

NOTE: POST-DAYTON price reductions ;-)

Spring Shack Cleaning time.

Norcal NC-20 with Doug Hauff fancy case. Only mod is new 8v regulator so NO chirp. \$100 shipped (reduced to \$95..note, also has 10-turn pot installed)

OHR-400 with DD-1 and SCAF. (package only). excellent. \$265 shipped...(OK, reduced to \$250).

Please reply off list.

/\ /\ /\ /\ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
//_/_/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Mon, 22 May 2000 08:22:14 -0400
From: "John P. Cummins, Sr." <jpcummins@worldnet.att.net>
To: qrp-l Server <qrp-l@Lehigh.EDU>
Subject: [70670] FDIM Proceedings
Message-ID: <39292676.2B0E518A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone that would like to get the missing text in the last paragraph of Joe Everhardt's article that begins on page 87 can send me email.

It is a small amount of text and will come on a large label so you can just stick it to the bottom of page 93.

Sri...!!

Pickett, AD4S

Date: Mon, 22 May 2000 08:57:30 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l@lehigh.edu
Subject: [70671] OT: 'war' story (was mobile antennas)
Message-ID: <3.0.6.32.20000522085730.007943c0@vmsspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I monitor channel 19 on the road and love to hear the funny
>comments from the truckers. I once put a sign in the picture
>window on the van that said
>" FCC Licensed Monitoring/Listening Station".
> Boy was that fun.
>Don W4BWS

Don,

Heh heh. I went to school with a kid named Tim who was heavily into illegal CB.
(About 100W amp in the car and ~1kW at home.) At that same time, my first Elmer
was working for the state Dept. of Natural Resources repairing thier 2-way radios,
so he drove a "company car" - a station wagon of the same style and color as the
Highway Patrol cruisers of the day, equipped with something like 9 different
antennas. (Only about half were work-related.)

Anyway, Tim came to school one morning, visibly shaken by something. He winally
told us what was wrong: "The FCC is in town! They're looking for me!"

Elmer had passed him on the way to work, and the combination of official-looking
vehicle and mobile antenna farm really got Tim's attention.

Dave

Date: Mon, 22 May 2000 09:06:10 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [70672] Re: Joys of a k2
Message-ID: <017e01bfc3ee\$d5d063a0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, if we're bragging...

I love MY K2!! I don't have a mic preamp yet. I'm feeding it with
a Radio Shack CB mic, at a very low level. The mic amp in the K2
will work, but I don't think I'm getting the compression I should be.

I've built a little 10db amp on a piece of perf board and I'm going to
try that. If it works, I'll build another. This time on a board that
will
fit right on the back of the pins for the mic configuration jumpers

and leave it in the K2.

Mike
N1DVJ
K2# 1058

----- Original Message -----

From: <hamjoel@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, May 21, 2000 3:41 PM
Subject: Joys of a k2

> High Y'all
> Nuttin of substance heah.... just braggin on the k2... I been running
> round on cw and psk, and rtty.....
> u kneaux, I thiink I will be a barefoot cajun lad till the big
crawfish
> calls me home...
> The speach processor in the k2 sure gives that 5 watts that little
extra
> that's needed for ssb... U kneaux I put up that funny 20 mtr ant and
I've
> been working stations that I needed to use 25 watts before to get
them...
> gee that's worded awkward...sry...
> I just 599ed latvia on rtty... done already sstved russia...ssbed most
> all of europe... cwed and psked most everyone I tried to....Took down
my
> 3 element 40mtr wire beam... sure made the k2 sing a mighty song
> especially at 10 watts...
> In conclusion, I have concluded, the k2 will sure make ur signal
sound
> just right and a good antenna will make ur signal loud enough for
others
> to hear ur good signal quite comfortably...
>
> ke1la joel
> in maine
> thanking Ed
> and laughing at how easy it all is.... with the K2

Date: Mon, 22 May 2000 09:01:12 EDT
From: Macstein@aol.com

To: nilsbull@juno.com, qrp-1@lehigh.edu
Subject: [70673] Re: Sunday afternoon & still wondering
Message-ID: <43.514d57b.265a8998@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

>here I snipped the post he posted and I enjoyed<

Man, I am torn. What a marvelous post... but... was that Nils?????

-MAC-
AF4PS

Date: Mon, 22 May 2000 08:58:18 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <leon_heller@hotmail.com>
Cc: "QRP-L (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [70674] RE: toroids
Message-ID: <000101bfc3ed\$672e0d40\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a note. Years ago (1960s), when as a lad, I slaved over a Measurements Corp. Q meter measuring toroids and adjusting them, we would alter their Q and L values by squeezing or spreading turns. To a small degree, that's a way of changing their inductance--and the effect is more noticeable at VHF and above.

In toroids at HF frequencies, you can still get a small measure of "adjustment" this way.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Leon Heller
Sent: Monday, May 22, 2000 4:01 AM
To: Low Power Amateur Radio Discussion
Subject: Re: toroids

I was looking at 2/3 of the toroids I wound and

>they certainly were not evenly spaced.....somewhere in the depths of my
>memory I think they should be as evenly spaced as possible so I did
>that...BUT I can't recall why.....is this critical?....what would be the
>effect if the toroids were not evenly spaced?....

The tightly spaced portions would presumably have a high self-capacitance between the turns. This might mean that the resonating capacitors would be slightly off. It also looks untidy. 8-)

73, Leon

--

Leon Heller, G1HSM

Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221

InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.

Email:leon_heller@hotmail.com

Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 22 May 2000 06:19:58 -0700
From: John Paul Dooley <w6zip@gte.net>
To: QRP-L@Lehigh.EDU
Subject: [70675] Properties and Such
Message-ID: <392933FD.F1ACDE17@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gentlemen, Thank you in advance for the bandwidth. I wish to seek the advice of any and all on the application properties of ferrite beads. I know that they would probably look good on my wife with her pink summer blouse, but what about between the primary and secondary ignition leads to reduce noise on my QRP rigs while operating mobile? How can I be sure that I choose the right type for this or other applications? Has anyone had any experience with bonding techniques using metal strap? Any good suppliers that you might know of for metal strap? How about stripping the

outside braid from a small length of rg-58 and solder some lugs on each end to use for bonding (Not bondage) purposes? Good? Bad? Indifferent? Thank you in advance for your comments and insight.

John Paul Dooley ARS#172

Victorville, Ca.

WHERE HAVE ALL THE MOUNTAIN TOPPERS GONE? HOME?

K-1's ANYONE?

Date: Mon, 22 May 2000 08:42:16 -0700
From: Michael Melland <badger@vbe.com>
To: qrp-l@lehigh.edu
Subject: [70676] FS: Unbuilt NC-20 kit
Message-ID: <39295558.257D0D05@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well.....

More pressing projects are calling (ala K1)..... so I'm selling my unbuilt NC-20 kit. Mailing box was opened and parts were checked (If I remember right <grin>), this kit was one of the last "insurance" ones that were sold a while ago. Kit is complete as provided by Norcal with all parts and aluminum enclosure..... also includes manual and copies of all the mods and emails regarding the kit that I had collected..... plus a 10-turn pot.

\$110.00 shipped

Please reply off list if you are interested..... first taker gets it.

73 de Mike Melland, W9WIS

Date: Mon, 22 May 2000 06:52:28 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [70677] Tuthill Pre-registration
Message-ID: <200005221349.GAA15916@enterprise.extremezone.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Well, the dumb form isn't working right.....intermittent at best. So, I've added an e-mail link to the page. Just click on there and let us know that you are coming.

If you have already registered, you might want to send a back-up e-mail, as I have not been getting all the forms.

Sorry for the confusion.

Bob Hightower NK7M
Chandler, AZ
SOC #20

<http://www.extremezone.com/~nk7m>

Date: Mon, 22 May 2000 07:07:40 -0700
From: "NA6E" <na6e@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70678] Dayton
Message-ID: <LPBBKMHGKJHAFCHLDJBAEEBHCJAA.na6e@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This will be a short post, even tho there are many I met at Dayton that will confirm I have no problem chatting....I want to thank everyone that stopped by the QRP-ARCI booth on Friday to chat with me and the special few that guided me thru my first trip to Dayton...not excluding the very nice security guard that got me to the booth Friday morning. I do have to share just a few highlights tho...

1. Finding Doug Hendricks in a quiet moment Saturday evening and having a chat. I also played with one of the FT. Smith QRP keyer kits by Jay, W5JAY and I had to have one. This is a sweet little keyer. Doug is a wonderful gentleman and a joy to talk with.
2. Hearing Mike talk about the GA Sierra and all the other great speakers at the Forum on Thursday. I am so overloaded with information it will take a month to sort out.
3. Being told part way thru the banquet dinner that I would have the

privilege of presenting two of the loveliest plaques I've ever seen for the winners of the QRP-L foxhunt The overall team winner (sponsored by QRP Canada) and the clean sweep (sponsored by the Knight Lights QRP club). Both plaques went to TELSEA's Terrors..(I hope that's spelled right...I couldn't say it, I hope I can at least spell it...)<grin>
These are just 3 of the million great moments I experienced. After meeting and watching over 28,000 hams over the weekend, I have to say that QRP'rs are the greatest group around.

If you missed Dayton and FDIW this year, you need to start planning for next year. This was my first year but definitely not my last.

Right now I'm making travel plans for Ft. Tuthill :)

73

Mary, NA6E

Sacramento, CA

Editor QRP-ARCI Quarterly

QRP-C #7 QRP-ARCI #9923 WHINER'S #2 FPQrp #35

Date: Mon, 22 May 2000 10:14:45 -0400
From: Ronald_A_Pfeiffer@res.raytheon.com
To: qrp-l@Lehigh.EDU
Subject: [70679] FS: SW40+
Message-ID: <852568E7.004E4002.00@ressud-as01.res.ray.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I have for sale an SW40+ with SWL enclosure and works FB.
I have as kits to be installed: RIT and Freqmite. The total to purchase all this was \$136. Will sell for \$100 plus shipping.

Ron - N1ZSW

Date: Mon, 22 May 2000 09:16:44 -0500
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'QRP-L'" <qrp-l@lehigh.edu>
Subject: [70680] TEKTRONIX 422
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA02DD9AFA@ucusmail.spectrapoint.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Someone posted a note last week looking for information on a Tektronix =
422
oscilloscope, and now I can't find the post. Please drop me a note =
direct.

72's es 73's,

Brad, W5CGH

=3D=
=3D=
=3D=3D=3D=3D

Brad Bradfield, PE	W5CGH	Test Staff Engineer
(ex WB=D8CGH)		SpectraPoint Wireless LLC

Real men talk with their fingers!

NORTEX	NORCAL	QRP-L #377
SMIRK #4906	QRP-ARCI #	ARS #72
Austin QRP Club #i	Alaska QRP Club #350	

Date: Mon, 22 May 2000 10:39:23 EDT
From: Shephed@aol.com
To: qrp-l@lehigh.edu
Subject: [70681] BLT tuner kit
Message-ID: <3a.56f42d0.265aa09b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello all, I just finished up this kit from Nor-Cal.
It is a great little kit, check out my pics and short review at my webpage
listed below.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-l #1404, FISTS #4985, Zombie #667 SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Mon, 22 May 2000 09:44:59 -0500
From: "Ron White" <rwhite@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70682] What is FDIM
Message-ID: <003d01bfc3fc\$4ef335c0\$d3128ea7@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,
I've seen FDIM on the list for weeks now and nowhere has it said what that
stands for. I could make up some phonetics, but would rather have the
correct ones.
Tnx es 72,
Ron

Ron White
e-mail - rwhite@netins.net
Amateur radio WA0MWW

Date: Mon, 22 May 2000 10:52:47 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Ron White <rwhite@netins.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70683] FAQ: Re: What is FDIM
Message-ID: <Pine.OSF.4.21.0005221048590.23783-1000000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Go to: www.google.com

In the search box type: FDIM

Click: OK

There you go... works with any question or word you want.

Teach a man to fish...

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

On Mon, 22 May 2000, Ron White wrote:

> Hi,
> I've seen FDIS on the list for weeks now and nowhere has it said what that
> stands for. I could make up some phonetics, but would rather have the
> correct ones.
> Tnx es 72,
> Ron
>
>
> Ron White
> e-mail - rwhite@netins.net
> Amateur radio WA0MWW
>
>
>
>
>

Date: Mon, 22 May 2000 08:19:48 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: "Reflector, ScQRPions" <azqrp@extremezone.com>
Subject: [70684] Ft Tuthill Building Contest
Message-ID: <39295014.246AC17F@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gangue,

Welcome back from Dayton. Now get ready for Ft
Tuthill! As Bob Hightower, NK7M, has announced, Ft Tuthill
2000 will be held this year on July 28-30 (see Bob's web
page for complete details)

<http://www.extremezone.com/~nk7m/qrp2000.htm>

As part of Ft Tuthill 2000, the Az ScQRPions will be sponsoring a Building Contest as part of This contest and judging will take place on Saturday July 29, 2000 at the campfire cookout. The judging will be performed by a group to be named at a later date. Plaques will be awarded to the winners.

Now is the time to warm up those soldering irons. Hurry up and finish that SMK-1 you've started. Our categories allow you a lot of latitude in what you enter. More than one entry per person is allowed and encouraged! The rules are about the same as last year with a change in one catagory.

Home Brew Contest Rules

1. The object of this contest is to entice you to build a QRP project. You may submit up to 10 home brew projects for judging. If you have more, get your spouse to submit some of them. :-)
Home brew is defined as something you built. It could include such items as a kit, your original design, someone else's design, from scratch, etc. Your entry has to be submitted - you just can't bring a picture of it. :-)

2. Submit your QRP entries to the contest administrator, Jerry Haigwood, W5JH, and select one of four categories:

- A. Keys/Keyers/Paddles/Accessories/test equipment.
- B. XCVRs/XMITTRs/RCVRs
- C. Norcal SMK-1 and Accessories
- D. Ugliest thing you built that works

3. The entry cost is FREE!

4. An engraved plaque will be awarded to the winner of each category with a special plaque to be awarded for the "Best of Show" entry. Results will be posted to QRP-L for bragging rights.

5. Up to 3 judges will be used to determine the winners.
Their decision is
FINAL. No bribery or coercion permitted.

6. Persons submitting an entry should be prepared to discuss
the design
and construction of their entry (Show and Tell). If you
bring your own
power, antenna, etc. you can demonstrate the use of your
entry (highly
encouraged)!

7. Entries should be documented. Items such as a schematic,
parts
lists, assembly drawings, etc. will factor into the overall
evaluation
score. The more detailed, the better, but don't let the
lack of
documentation stop you from entering a cool project you did!

8. You do not need to be present to submit your entry but we
really want
to see you at Ft Tuthill! If you will be submitting an
entry by mail or
UPS, contact Jerry Haigwood, W5JH by email: w5jh@arrl.net

9. Last years entries are not eligible to be submitted this
year. Submit
only projects we haven't seen before. (Special note to
Brian, K7RE - No,
you cannot enter that "UGLIEST THING YOU BUILT THAT WORKS"
winner
from last year.)

Judging Criteria:

The entries will be judged using the following factors.

1. Is it QRP related?
2. Is it something useful for QRP radioing?
3. Is it something built recently? (Higher points awarded
for recent
construction)
4. Is the design solid?

5. Difficulty of the design.
6. Is the construction of good quality? (category 4 excepted!)
7. Does the unit do what it was built to do?
8. Is the unit well documented?
9. Any other criteria that the judges feel are important.

We look forward to seeing your entry!

--

73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page <http://www.swlink.net/~w5jh/>

Date: Mon, 22 May 2000 11:27:22 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70685] OT: ULS Licensing
Message-ID: <035501bfc402\$3d0241c0\$2f9c263f@paulc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone had any success in logging onto the FCC's ULC licesning system directly through their Internet Service Provider? The FCC's ULS instructions page make reference to adding a toll-free 800 dial-up connection to their ULS server. It's cumbersome enough that only Netscape browsers are compatible, but now it appears connecting to the ULS via one's ISP is not possible. If you have any information, please reply privately. Thanks!

-Paul

Date: Mon, 22 May 2000 09:34:17 -0600
From: carlos.caro@lmco.com
To: qrp-l@Lehigh.EDU
Subject: [70686] Re: What is FDIM

Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB023A470E@emss02m14.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain
Content-transfer-encoding: 7BIT

> Teach a man to fish...
>
>
And he will sit in a fishing boat and drink beer all day.

Carlos #1333

Date: Mon, 22 May 2000 11:40:54 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: qrp-1@lehigh.edu
Subject: [70687] NC20 spoken for..
Message-ID: <XFMail.000522114054.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

The NC20 has been spoken for. Still looking for a home for the OHR400 and accessories.

/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
_/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Mon, 22 May 2000 10:47:08 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <paulc@mediaone.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [70688] RE: ULS Licensing
Message-ID: <000001bfc404\$fcba5f50\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They opened it up to everyone a short time ago. I renewed a last week and it seems to have worked. I am updated in most of the on-line callsign lookups. Go to

<http://www.fcc.gov/wtb/uls/>

If you haven't registered for online filing you will need to click on the TIN/Call Sign Registration button. On the next page select "Continue on to Tin/Call Sign Registration.

Otherwise select the Online Filing button from the first page. You will get to a page that has another option "continue on to Online Filing." Click there.

One thing...it REQUIRES netscape. The page has a bug and won't work if you are using Internet Explorer but works fine if you are using netscape. I guess the government is going after Microsoft ever chance it gets...;)

72/73

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Paul Christensen
> Sent: Monday, May 22, 2000 10:27 AM
> To: Low Power Amateur Radio Discussion
> Subject: OT: ULS Licensing
>
>
> Has anyone had any success in logging onto the FCC's ULC
> licesning system
> directly through their Internet Service Provider? The FCC's ULS
> instructions page make reference to adding a toll-free 800 dial-up
> connection to their ULS server. It's cumbersome enough that
> only Netscape
> browsers are compatible, but now it appears connecting to the
> ULS via one's
> ISP is not possible. If you have any information, please
> reply privately.
> Thanks!
>
> -Paul
>

>

Date: Mon, 22 May 2000 08:47:55 -0700
From: "Trung Q. Nguyen" <viethoc@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70689] FS: Norcal NC-20 unbuilt kit w/ 10K pot!
Message-ID: <392956AB.28E646A3@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a Norcal NC-20 unbuilt kit for sale. It comes with 10K pot. The asking price is \$110 including shipping. Thank you for your interest.

'73
T. Nguyen, W6AH
Irvine, CA

Site Design, Hosting, and E-Commerce at www.webpipe.net

Date: Mon, 22 May 2000 08:58:11 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [70690] FDIM Proceedings??
Message-ID: <39295913.263B@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last year some copies of the FDIM proceedings were made available for general purchase after the event. (A great volume, too). If such an opportunity has been announced for this year's proceedings, I have managed to miss it. Can someone direct me to the club or group that would have these for sale (already checked QRP ARCI webpage).

73 K7GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Mon, 22 May 2000 12:09:03 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70691] Re: ULS Licensing
Message-ID: <039c01bfc408\$0f048480\$2f9c263f@paulc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Apparently, this was corrected recently by the FCC. Thanks to all who responded.

-Paul

-----Original Message-----

From: Paul Christensen <paulc@mediaone.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, May 22, 2000 11:27 AM
Subject: OT: ULS Licensing

>Has anyone had any success in logging onto the FCC's ULC licesning system
>directly through their Internet Service Provider? The FCC's ULS
>instructions page make reference to adding a toll-free 800 dial-up
>connection to their ULS server. It's cumbersome enough that only Netscape
>browsers are compatible, but now it appears connecting to the ULS via one's
>ISP is not possible. If you have any information, please reply privately.
>Thanks!

>

>-Paul

>

Date: Mon, 22 May 2000 12:15:39 -0400
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [70692] w/r ant a turn in the dark
Message-ID: <20000522.121541.-134513.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

well u all
i'm thinking of turning my ant thingie to the nw... don't have my map so
don't kneaux what's out there
anyhow, it's clear in that direction and I have a tree in the right
place and I keep hearing the same
countries in this direction so I guess
it's tiime to turn the thing...
will plant some fast growing trees for an expected turn a few years from
now.... :-)
kella joel
in maine
pointing somewhere

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 22 May 2000 11:45:34 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [70693] Dayton 1V, 48V contest
Message-ID: <200005221623.MAA16415@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just wondering if there were any entries into the 1v or 48 volt
building contest, and if so, who won?

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 22 May 2000 11:45:34 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: john@neknetwork.com
Cc: qrp-l@lehigh.edu
Subject: [70694] Re: moving beyond stuff and solder
Message-ID: <200005221624.MAA16547@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

John,

> So the question is; how to move beyond kit building? What test equipment
> would I need (without breaking the bank)? What books would you folks
> recommend?
>

An O'scope is a must. Hard to do much without one. Try to find the best one you can afford. 20 Mhz min, 50 or 100 Mhz is better. Any good sized hamfest should have plenty to choose from, for \$100 or less.

Second on the list is a RF signal generator. These are a little harder to come by and a good one may cost more than a scope.

A frequency counter is also very handy to have.

As for books, the ARRL Handbook is hard to beat for general knowlage and circuit examples.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 22 May 2000 12:25:33 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: carlos.caro@lmco.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70695] [Fishing] Re: What is FDIM
Message-ID: <Pine.OSF.4.21.0005221224160.23609-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ahhh! You've met my dad and his buddy Sheldon?

On Mon, 22 May 2000 carlos.caro@lmco.com wrote:

> > Teach a man to fish...
> >
> And he will sit in a fishing boat and drink beer all day.

Date: Mon, 22 May 2000 12:30:29 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l@lehigh.edu
Subject: [70696] Re: 'war' story (was mobile antennas)
Message-ID: <3.0.6.32.20000522123029.00799460@vmsspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:06 AM 5/22/00 -0400, you wrote:

>>Elmer had passed him on the way to work, and the combination of
>>official-looking vehicle and mobile antenna farm really got Tim's
>>attention.

>

>Dave,

>

>The only thing that surprises me is that Tim didn't have a big wet spot in
>the front of his pants when he came to school that morning ! In those days,
>the FCC put the "fear of God in you !

>

>I wonder where Tim is and what he's doing today.

Dick,

Tim's a field service engineer for an electronics company now. And, I believe he's
a ham.

Dave

Date: Mon, 22 May 2000 12:32:26 -0400
From: "Dieter \ (Diz\) Gentzow W8DIZ" <w8diz@cinci.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [70697] FDIM PIX
Message-ID: <024801bfc40b\$53328f50\$1461a518@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Folks,

Here are pictures of FPqrp club members and a few others....
<http://www.mpna.com/fpqrp/dayton2k.html>
Sure was fun....

73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493
<http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

Date: Mon, 22 May 2000 13:10:13 -0400
From: "Ken Evans" <w4du@bellsouth.net>
To: "QRP-l Discussion" <qrp-l@Lehigh.EDU>, <k7gt@qsl.net>
Subject: [70698] Re: FDIM Proceedings??
Message-ID: <003901bfc410\$98f9ece0\$bbdafea9@evans>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan,
They will be available for \$10.00 plus shipping. We will have the details
on the QRP ARCI web page in a few days (<http://www.qrparci.org/>)

Ken
W4DU

----- Original Message -----
From: Allan G Taylor <k7gt@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, May 22, 2000 11:58 AM
Subject: FDIM Proceedings??

> Last year some copies of the FDIM proceedings were made available for
> general purchase after the event. (A great volume, too). If such an
> opportunity has been announced for this year's proceedings, I have
> managed to miss it. Can someone direct me to the club or group that
> would have these for sale (already checked QRP ARCI webpage).

>

> 73 K7GT

>

>

> --

> Allan Taylor K7GT Pleasanton/Livermore CA

>

> k7gt@qsl.net or k7gt@aol.com
>

Date: Mon, 22 May 2000 13:21:47 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <w8diz@cinci.rr.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [70699] Re: FDIM PIX
Message-ID: <001401bfc412\$365bbb20\$465730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks for the Dayton pictures of the "Flying Pigs QRP Club" Looks like a great bunch. Sorry I could not make it this year.

Vic AD8K FPqrp #45

>>Here are pictures of FPqrp club members and a few others....
><http://www.mpna.com/fpqrp/dayton2k.html>
>Sure was fun....
>

Date: Mon, 22 May 2000 13:30:42 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-1 list <qrp-1@lehigh.edu>
Subject: [70700] FDIM Proceedings??
Message-ID: <39296EC2.AB898AE7@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Yes the proceedings will be available by mail. I will post the info on the club web (and here) site by mid week. Right now I have the extras but need to get them to the "remailer" (and I am not yet sure who that will be for this year's issue) for you to order so stay tuned. We have plenty.

Oh, they are outstanding BTW! :)

--

Jim Stafford/W4Q0/President QRP ARCI
The Thrill is Back - QRP Is! 77 -993-95
<http://www.qrparci.org> w4qo@arrl.net
<http://www.qrparci.org/pix/arci050.gif>

Date: Mon, 22 May 2000 13:41:39 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>
Subject: [70701] Re: Kit & Part Sources
Message-ID: <39297153.9FB07824@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Actually the specific page for kit manufacturers on the ARCI site is:

<http://www.qrparci.org/links.html>

That's our QRP Quick Links and it has over 40 kit sellers and 40 parts sellers. And you get almost 50 clubs thrown in on the same page too.

--

Jim Stafford/W4Q0/President QRP ARCI
The Thrill is Back - QRP Is! 77 -993-95
<http://www.qrparci.org> w4qo@arrl.net
<http://www.qrparci.org/pix/arci050.gif>

Date: Mon, 22 May 2000 13:49:19 -0400
From: "David Maliniak" <dmaliniak@vertical.net>
To: <njqrp@njqrp.org>, <qrp-l@lehigh.edu>
Subject: [70702] FS: NC20, St. Louis Tuner *prices reduced*
Message-ID: <001901bfc416\$0f7c6b40\$0d01a8c0@vertical.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

These items aren't seeing any use so they may as well go to new homes. They're built by me and are sold as is. Asking prices given; make me an

offer! That is, if you've got any cash left after Dayton...

Note that prices are reduced since last post...

1) NorCal St. Louis Tuner

Tuner may need a bit of TLC but as far as I know, it's working. Case painted red; front and rear panels white. With docs. \$60 or best offer shipped CONUS.

2) NorCal 20 transceiver

Works FB. It has a 10-turn tuning pot installed and a number of AB7MY/W6EMD mods. Case is original unfinished aluminum. Max power output is right around 5W. With docs. \$90 or best offer shipped CONUS.

72,
David N2SMH
Glen Rock, NJ

Date: Mon, 22 May 2000 14:49:26 -0400
From: "David Maliniak" <dmaliniak@vertical.net>
To: <qrp-l@lehigh.edu>
Subject: [70703] OT: To would-have-been NC20 buyer
Message-ID: <002901bfc41e\$76271900\$0d01a8c0@vertical.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth... I'm trying to reach someone on the list but want to keep this between us. He'll know who he is.

Sir:

We had miscommunication regarding my NC-20 rig that's for sale. I reposted today with a lower price. I tried to reply directly to tell you that the lower price applies to all -- including you -- but it keeps bouncing; you have apparently added me to your kill file. I wanted to make sure you got this message and had no other way to get it to you.

Again... to the list... I apologize for the bandwidth.

72,
David N2SMH
Glen Rock, NJ

Date: Mon, 22 May 2000 21:25:41 +0200
From: mike.mhe@t-online.de (Michael Haugrund)
To: hq@arrl.org, peter@barville.freeseve.co.uk, lz1fw@nettaxi.com, k1ar@cq-
amateur-radio.com, crklub@mbox.vol.cz, g3rjv@gqrp.com, GQRP@onelist.com,
hrs@hztk.tel.hr, klqrp@vramp.net, qrp-1@lehigh.edu, zyg@morsum.demon.co.uk,
hqpzk@pzk.org.pl, ve2zp@lynx.ve3jf.ampr.org
Subject: [70704] Count to ten (QRP-MAS)
Message-ID: <12txpd-1Rz7HUC@fwd00.sul.t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT

The QRP-CONTEST-COMMUNITY
c/o Dr.Hartmut Weber, DJ7ST@DB0ABZ

May 22nd, 2000

Dear YL&OM,

"Count to ten" because in ten days time -on Ascension Day- the

Q R P - M I N I M A L - A R T - S E S S I O N (QRP-MAS) will take place

And also don't forget to count the number of components of your rig
which you are intending to use in the QRP-MAS, please.

Remember: max. 100 components for RX/TX resp. TRX (Class A)
max. 50 components for TX, RX as you like (Class B)

(Full details have been uploaded into <qrp> about two weeks ago)

In Germany Ascension Day also is called "Father's Day" and young people
use to go on a walk with small handcarts and picknick things.
All is kept very simple and undertaken with a wink.
That's just the intention of QRP-MAS: Preparing your rig for QRP-MAS
you may find it a (minimal) art sometimes, to keep it simple.

Hpe cu at 1st of June!

73/2 "Hal", Hartmut, DJ7ST

(mailing done by df2ok)

Date: Mon, 22 May 2000 15:41:34 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1@lehigh.edu
Subject: [70705] A mind is a terrible thing to waste
Message-ID: <3.0.6.32.20000522154134.007947d0@vmsspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's embarrassing to ask this, since I've worked in electronics for enough years to know. But I don't, and curiosity has won out over ego:

What are the 5 ways to connect to a "5-way binding post"?

I can make 4:

- 1) Bare wire
- 2) Banana plug
- 3) Tip plug (like a voltmeter lead)
- 4) Spade lug
- 5) ???

Won't you help me end my misery?

Thanks!

Dave

Date: Mon, 22 May 2000 12:52:12 -0700
From: "John Conrad" <frconrad@earthlink.net>
To: "David Hinerman" <dlh1009@ritvax.isc.rit.edu>
Cc: qrp-1@lehigh.edu
Subject: [70706] RE: A mind is a terrible thing to waste
Message-ID: <4120005122195212830@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

>
> What are the 5 ways to connect to a "5-way binding post"?
>
> I can make 4:

>
> 1) Bare wire
> 2) Banana plug
> 3) Tip plug (like a voltmeter lead)
> 4) Spade lug
>
> 5) ???
>
> Won't you help me end my misery?
>
> Thanks!
>
> Dave
>
Alligator Clip!

JC+

--- John Conrad
--- frconrad@earthlink.net
--- EarthLink: It's your Internet.

Date: Mon, 22 May 2000 14:59:13 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [70707] Lost - Saturday Night at Dayton
Message-ID: <005d01bfc428\$352ada40\$91a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I went off Saturday night and left an RS speaker amp that I'd modified with a TiCK keyer sitting on a table. Did anybody see it? It's probably not worth sending back to me but I'd like to know what happened to it. Plus, I just built it and haven't used it yet so I'd like to know how the amp and keyer work together as an add-on to a simple transceiver.

Uh.....no, my name or call isn't on it. :-)

Thanks,

Denny Payton, N9JXY

Date: Mon, 22 May 2000 16:05:59 -0400 (EDT)
From: n2go@arrl.net
To: John Conrad <frconrad@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70708] RE: A mind is a terrible thing to waste
Message-ID:
<Pine.LNX.4.20.0005221605420.1577-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

TIG welder :)

73,

Jim n2go

Date: Mon, 22 May 2000 16:06:21 -0400
From: "Everhart, Joseph @ CSE" <jeverhar@mail.cse.l-3com.com>
To: "'dlh1009@ritvax.isc.rit.edu'" <dlh1009@ritvax.isc.rit.edu>
Cc: "'qrp1'" <qrp-1@lehigh.edu>
Subject: [70709] RE: A mind is a terrible thing to waste
Message-ID: <56AE25C909CED311BEA70000D11AD11E3A0C3E@l3c-xchg-cse.mail.cse.l-3com.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

David,

I wrote a Joe's Quickie a couple of years back entitled "In Praise of Knurled Nuts" in which I enumerate six ways:

1. Banana plug in top hole
2. Wire thru side hole
3. Wire wrapped around
4. Alligator clip in too hole
5. Phone tip thru side hole
6. Spade lug around side held by screwing top down

Hope this helps.

72/73,

Joe E., N2CX

You queried:

> What are the 5 ways to connect to a "5-way binding post"?

> I can make 4:

Date: Mon, 22 May 2000 15:13:26 -0500 (EST)
From: igeq100@iupui.edu
To: David Hinerman <dlh1009@ritvax.isc.rit.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70710] Re: A mind is a terrible thing to waste
Message-ID: <Pine.HPP.3.96.1000522151227.16596A-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dave -

Maybe the fifth way is the connection to the solder lug on the chassis side of the binding post?

Richard Meiss, WB9LPU

On Mon, 22 May 2000, David Hinerman wrote:

> It's embarrassing to ask this, since I've worked in electronics for enough years to know. But I don't, and curiosity has won out over ego:

>

> What are the 5 ways to connect to a "5-way binding post"?

>

> I can make 4:

>

> 1) Bare wire

> 2) Banana plug

> 3) Tip plug (like a voltmeter lead)

> 4) Spade lug

>

> 5) ???

>

> Won't you help me end my misery?
>
> Thanks!
>
> Dave
>
>

Date: Mon, 22 May 2000 16:18:49 -0400
From: Dennis Terribile/WR4i <wr4i@mindspring.com>
To: qrp-1@lehigh.edu
Subject: [70711] FS> K2 (built)
Message-ID: <39299629.36E31449@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale:

K2 w/ following options built-in>
SSB(Kenwood mic config)/160/GelCel with outboard charging (charger externally configured so can use any gel cell. Cell that came with it included of course as well as the mounting bracket if you want to put the cell back under the cover)

Also includes unbuilt AT2 tuner (still in wrap) and all documentation.
\$905 + \$20 shipping or trade for Omni VI+ :)
Excellent condition.
Dennis/ WR4i
Ivy,Va

JPGs available.

Date: Mon, 22 May 2000 15:30:26 -0500
From: "George T. Baker" <w5yr@att.net>
To: dlh1009@ritvax.isc.rit.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70712] Re: A mind is a terrible thing to waste
Message-ID: <392998E2.913A35C5@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bare wire really accounts for two: wire inserted in the cross-hole and wire wrapped around the post.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

David Hinerman wrote:

>
> It's embarrassing to ask this, since I've worked in electronics for enough years to know. But I don't, and curiosity has won out over ego:
>
> What are the 5 ways to connect to a "5-way binding post"?
>
> I can make 4:
>
> 1) Bare wire
> 2) Banana plug
> 3) Tip plug (like a voltmeter lead)
> 4) Spade lug
>
> 5) ???
>
> Won't you help me end my misery?
>
> Thanks!
>
> Dave

--

Date: Mon, 22 May 2000 13:35:46 -0700
From: Radman <radman@best.com>
To: "'David Hinerman'" <dlh1009@ritvax.isc.rit.edu>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70713] RE: A mind is a terrible thing to waste
Message-ID: <01BFC3F2.AC025840@radman.vip.best.com>

Hi Dave,

Well, you've used up *all* your "life lines" if it's time to call on us ;)

I researched this for an article I'm writing and called Pomona Electronics - arguably one of the premier vendors of "5-way" binding posts.

Here's Pomona's story and they're sticking to it ;)

- 1.) Male banana plug inserted in female binding post.
- 2.) Spade lug (open-end) captured by tightening post nut.
- 3.) Bare wire of < 0.100 " inserted thru hole in post - tighten post nut.
- 4.) Fluke-probe tip (diam = 0.080 ") inserted thru hole in post - tighten post nut.
- 5.) Bare wire of > 0.120 " wrapped around post - tighten post nut.

Source: Pomona Electronics

URL: <http://www.pomonaelectronics.com/>

Party on,

Conrad Weiss - NN6CW

It's embarrassing to ask this, since I've worked in electronics for enough years to know. But I don't, and curiosity has won out over ego:

What are the 5 ways to connect to a "5-way binding post"?

I can make 4:

- 1) Bare wire
- 2) Banana plug
- 3) Tip plug (like a voltmeter lead)
- 4) Spade lug
- 5) ???

Won't you help me end my misery?

Thanks!

Dave

Date: Mon, 22 May 2000 13:34:38 -0700

From: Norm Melick <henmel@worldnet.att.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [70714] Low Audio my SST-40
Message-ID: <392999DE.F7FB5A01@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have an SST-40 that suddenly went "deaf". I applied a 7 Mhz. signal to the input, and I have to inject about a 4 volt (P/P) signal before it will "hear" anything. Not good at all. I checked DC voltages on all the IC's, and they are just fine. I swapped U2, and the LM386. No change.

I hooked up my scope to trace the signal. I have a dynamite signal out of U1 and into X1, but I don't see anything past X1 to U2. My crystal checker says that the crystals are just fine.

It transmits FB, and any help would be greatly appreciated.

Norm/KQ6Sd

Date: Mon, 22 May 2000 15:58:10 -0500
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [70715] Bannana Plugs/5-way, etc.
Message-ID: <0974781F4FC8D211A24600902727E806011B216E@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Dave,

I am so glad that we have such knowledgable people on this list. Three cheers for Dave. We were all lucky that you were doing research on the paper that just happened to be on this very subject! The suspense was killing me. :-)

Ya all forgot the screw driver jammed into the hole with the aligator clip attached to the blade 'cause it won't stay in the hole where the bannana goes.

Did you know that eating Bannanas increases your Potassium, but that eating Bannana Clips is hard on your teeth?

Hal

Date: Mon, 22 May 2000 17:13:39 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1@lehigh.edu
Subject: [70716] RE: A mind is a terrible thing to waste
Message-ID: <3.0.6.32.20000522171339.00798790@vmspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:35 PM 5/22/00 -0700, you wrote:

>I researched this for an article I'm writing and called Pomona Electronics -
arguably one of the premier vendors of "5-way" binding posts.

>

>Here's Pomona's story and they're sticking to it ;)

>

>1.) Male banana plug inserted in female binding post.

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>3.) Bare wire of < 0.100" inserted thru hole in post - tighten post nut.

>4.) Fluke-probe tip (diam = 0.080") inserted thru hole in post - tighten post
nut.

>5.) Bare wire of > 0.120" wrapped around post - tighten post nut.

>

>Source: Pomona Electronics

>URL: <http://www.pomonaelectronics.com/>

Conrad,

We've used Pomona hardware for years. If they said it, I'll believe it.

Although I -did- enjoy somebody's suggestion that the 5th connection type was a
TIG welder. I've done a few of those in my day, unintentionally.

Thanks!

Dave

Date: Mon, 22 May 2000 17:20:38 EDT
From: K1JD@aol.com
To: eleccraft@qth.net, qrp-1@lehigh.edu
Subject: [70717] K2+battery+ATU+indoor wires= Great Fun in Maine
Message-ID: <ae.55d98fc.265afea6@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

"Almost anything will radiate... question is, how well?"

Gang:

Quick report on a trip to Maine over this past weekend (Thursday-Monday). Questions about hotel room operation have come up on the reflectors at various times, so here's another input.

We stayed at 4 different B&B's. Used indoor antennas and tried various arrangements (crooked dipoles, loops, ends stuck out of windows, etc) from four sets of insulated 17' wires, each with an alligator clip on one end and a little bare wire exposed at the other. A 10' piece of coax with inner/outer conductors tinned on one end and BNC on the other was the feedline. Power never exceeded 10w.

QSO's as follows. Operation was at odd moments in between other vacation activities:

Camden, ME (2nd floor of B&B)

W9QKL 20m
RZ3QZ 20m
N0EVH 20m
W1HMD 30m

Surry, ME (1st floor - dang!)

SM4BNZ 17m

Bar Harbor, ME (3rd floor!)

PA0VDV 15m
KV2X/m 30m
N9EP/8 40m
G4PKT and W4CK (both at a hotel in the UK) 30m
OH0/OH7MM 30m
NN3C/QRP 30m
UX0ZA 20m
SV1DOJ 20m (answered my CQ!)
AC7A 20m

Brunswick, ME (2nd floor)

S57NW 20m
N3LAZ 20m
W4ZYT 17m
KA1RVM 40m
K1NDV 40m
FW/G3SXW 20m (!!!)

I am not kidding.. I worked Roger FW/G3SXW early this AM (0645z) on 20m with 10w to an indoor loop on the second floor of a B&B in Brunswick. Almost

fell off the chair when he answered me on the second call - talk about Major Mojo! The Mojo must have also contributed to the minor gastrointestinal disturbances that woke me up in the wee hours, without which the QSO would have never taken place - hi.

The K2 #139's ATU worked flawlessly and easily allowed operation on multiple bands.

73,
John K1JD
Jamestown, RI
<http://hometown.aol.com/k1jd/index.html>
K2's #139 & 583 (& #917 & #948)

Date: Mon, 22 May 2000 14:28:45 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [70718] Dayton
Message-ID: <20000522212845.95244.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I returned from Dayton last night at 11:00 PM. It was a good weekend and both Jim and I had a great time visiting with all of our friends, including Bob Evans across the street from the hotel. The hotel, has been remodeled. But it is still the Day's Inn Dayton South. The staff treated us much better, you could tell it was a different company running the show. The hotel, I would rate a 2 on a scale of 1 to 5. It used to be a 0, or a negative 1. The Hotels at Dallas and Pacificon would be a 5. The one at Arkiecon would be a 4. Just as a point of reference for those of you who have been to Dayton and want a comparison. We talked at dinner, and all agreed that if we checked in with our wives they would stay the night, but not the second one. It was fine for my stay though. I don't go to Dayton for the hotel. I want a clean room, hot water, air conditioning, and maid service. None of which I got the last time I was there 2 years ago. This time, I had all four. The hotel is several years old, and has not been maintained for years. The new owners are trying, and I do give them credit for that.

I want to thank Gary Diana of Embedded Research for his help that he provided for me this weekend. It was a pleasure to share his booth and meet all of the qrpers who stopped by.

I have to tell you a story. I was selling SMK-1's, BLT tuners, P-TiCK paddles and Gary was selling NorCal Doublets for a dollar. This 9 year boy walks up to the booth with his dad. He tried one of the paddles that Gary had set up, and he sent quite nice code. 15 WPM or so. Sent his call, then

his Dad's. I could tell by their hats, grin. I asked the boy if he had his own station. He said no, he used his dad's. I then asked him to name all of the parts of a station that he would need to get on the air. His first answer was:

"Transceiver" - I handed him a SMK-1 kit and said, "Correct, here is your transceiver kit. Compliments of NorCal."

He said, "REALLY!!!!!!"

Next I asked what else he needed. He said, "Antenna".

I handed him a NorCal Doublet, courtesy of Embedded Research. Thanks Gary, you always donate to good causes.

"What else do you need?" I asked.

The boy thought a minute, then said, "Keyer and Paddle." I handed him a Ft. Smith P-TiCK, the combination Paddle and Keyer kit that is from the Ft. Smith Qrp Group.

I said, "Ok do you have everything you need?" By this time there was a crowd of people standing around, and everyone of them had a smile on their face.

The boy said, "I think so."

I asked, "What if your antenna isn't resonant?"

He said, "A tuner, I need a tuner!"

I reached down and handed him a NorCal BLT Balanced Line Tuner kit that was specially designed for NorCal by Charlie Lofgren, W6JJT.

The look on that young man's face is what it is all about. He looked at his dad and he just beamed. I then told him that all I wanted was for him to build the station, make a contact on his all homebrewed station, and send me an email about it.

I did not get the young man's name, or call. If anyone knows it, I would love to get hold of him. He was so excited that he forgot the instructions to his P-TiCK Paddle/Keyer kit, and I would like to send them to him.

Another highlight was getting a set of Gold Plated Vibroplex "Code Warrior Junior" paddles, serial #2 from Wayne Smith, K8FF. What an honor it was to accept such a gift from a friend. As an aside, Mitch from Vibroplex told me that they are selling the paddles as fast as they can make them. The paddles may be better known here as the NorCal K8FF paddles. Vibroplex sold

out of the paddles Saturday morning!! All of their dealers were sold out.

Plus, Wayne also introduced his version of a high end paddle. His is called the "Venus" and is gold plated. You gotta see (and feel) this one. It truly will be a player in the high end paddle market. I enjoyed watching Richie Stamile, KG2ED and Wayne Smith exchange hints and helpful suggestions as they compared paddles. Richie makes the Long Island Mercury, which is in my shack and will never, ever be sold.

I enjoyed meeting all of you again, and some for the first time. 72, Doug, KI6DS

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 22 May 2000 14:40:53 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [70719] Congrats to Joe Everhart
Message-ID: <20000522214053.21934.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Friday night at the QRP Banquet, Joe Everhart, was elected to the QRP Hall of Fame. This is an honor that Joe truly deserves, and is overdue. Congratulations Joe, it is an honor to know you and an even bigger honor to have you as a friend. Joe Everhart is truly a "Hall of Famer". His work on behalf of the hobby is legendary. He has written umpteen articles for almost every qrp publication, has been an outstanding speaker at Pacificon, Atlanticon and at Dayton. He is an outstanding designer, and a tireless worker on behalf of the NJ QRP Club. Joe is famous for his "Quickie's" and also for his "talking frog story", grin. But the neat thing about Joe is that he always has time to explain complicated things in simple terms, without making you feel like a dummy for asking. That is important. Thanks Joe, for being Joe. 72, Doug

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 22 May 2000 18:15:38 -0400
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-1@Lehigh.EDU
Subject: [70720] SMiTe: You don't foo with Mother Nature
Message-ID: <3929B18A.1DD9@mounet.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ooops!

At 8:15 last night I could hear the distant rumble of thunder. When I went out to investigate, I could also see flashes of lightening in the far distance. Oh well, maybe it will pass me by and not bother the SMiTe hunt.

As I listened, it kept creeping closer and closer. Yep, you guessed it. At 9:15 exactly the skies opened up and sent down a deluge along with monster lightening and thunder. This went on well into the start of the hunt and finally subsided enough by 10:00 to try to get on the air. I know that most of you had probably given up by then. Sorry, and my apologies.

I only had 2 contacts during an hour of operation. The first was N4DD, Dennis, in Tn. Then after calling and calling, there was ole NV4V, Pete, in Ky. Thanks to you two for being there and kinda helping me have a little fun. Pete even came back around 11:00 to give me another signal report and wish me good luck.

Here is my log, if you can call it that. hee hee

Time	Call	RST S	RST R	SPC	Name
0203	N4DD	559	339	Tn	Dennis
0227	NV4V	349	229	Ky	Pete

Mother Nature won this round. My next stint will be better because it don't get any worse than this one. Thanks to those who showed up and I missed. Look for me next round.

72..

Dan, N4ROA, the smashed SMiTe (but still kicking)

End of QRP-L Digest 1829
